## ZHTM

**Heat-Shrinkable, Flexible Tubing with Low Toxicity for Fire Safety Applications**

### Product Facts

- 2:1 shrink ratio
- Low smoke emission
- System 100 tubing

### Applications

A flexible, thick-wall, heat-shrinkable tubing to be used in conjunction with -100 molded parts and Zerohal cable to form Raychem System 100. This material exhibits excellent fire safety characteristics combined with low smoke emission and low evolution of acid gases while retaining good mechanical and fluid-resistance properties. Used for insulation and protection of cables, harnesses, and electrical and electronic components in enclosed spaces, such as in marine applications, mass transit systems, and offshore installations, to reduce toxicity risks, or where equipment would be irreparably damaged by corrosive products of combustion.

### Installation

Minimum shrink temperature: 80°C [176°F]

Minimum full recovery temperature: 121°C [250°F]

### Operating Temperature Range

-30°C to 105°C [-22°F to 221°F]

### Specifications/Approvals

| Series | Military | Agency | Industry | Raychem |
|---|---|---|---|---|
| ZHTM | Def. Stan. 59-97 Issue 3 Type 8 | BS 4G-198 Part 3 Type 15<br>VG 95343 Part 5 Type L<br>VDE 0341/Pt 9005 | BR 1326A | RW-2058 |

| Available in: | Americas | Europe | Asia Pacific |
|---|---|---|---|
| | ■ | ■ | ■ |



Catalog 1654025
Revised 12-03

www.tycoelectronics.com

Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are U.S. equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Japan: 81-44-900-5102
Singapore: 65-4866-151
UK: 44-1793-528171

## ZHTM (Continued)

### Product Dimensions

| Size | Inside Diameter | | Recovered Wall Thickness* After Heating |
|---|---|---|---|
| | Minimum Expanded as Supplied | Maximum Recovered After Heating | |
| 3/1.5 | 3.0 [0.118] | 1.5 [0.059] | 0.70 ± 0.10 [0.028 ± 0.004] |
| 5/2.5 | 5.0 [0.197] | 2.5 [0.098] | 0.75 ± 0.12 [0.030 ± 0.005] |
| 8/4 | 8.0 [0.315] | 4.0 [0.157] | 0.80 ± 0.15 [0.031 ± 0.006] |
| 12/6 | 12.0 [0.472] | 6.0 [0.236] | 0.90 ± 0.15 [0.035 ± 0.006] |
| 18/9 | 18.0 [0.709] | 9.0 [0.354] | 1.00 ± 0.18 [0.039 ± 0.007] |
| 24/12 | 24.0 [0.945] | 12.0 [0.472] | 1.10 ± 0.20 [0.043 ± 0.008] |
| 40/20 | 40.0 [1.575] | 20.0 [0.789] | 1.30 ± 0.23 [0.051 ± 0.009] |
| 50/30 | 50.0 [1.969] | 30.0 [1.181] | 1.50 ± 0.28 [0.059 ± 0.011] |

*Wall thickness will be less if tubing recovery is restricted during shrinkage.

### Ordering Information

| | |
|---|---|
| Color | Standard Black (-0) |
| Size selection | Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request. |
| Standard packaging | On spools. |
| Ordering description** | Specify product name, size and color (for example, ZHTM 8/4-0). |

**Europe only. For supply to Def Stan and BS add -DS or -BS to ordering description.



Catalog 1654025
Revised 12-03

www.tycoelectronics.com

Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are U.S. equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Japan: 81-44-900-5102
Singapore: 65-4866-151
UK: 44-1793-528171